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<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)	Application Number		09/663,659		
	Filing Date		9/15/2000		
	First Named Inventor:		Malcolm G. Smith, Sr.		
	Examiner: April A. Nowlin		GROUP: 2876		
Sheet	1	of	1	Attorney Docket Number	ULT-005-2C2P

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cited No. <sup>1</sup>	Document Number Number - Kind Code <sup>2(f/known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear
<i>AT</i>	A01	US-4,006,507	02/1977	Yoshida	
<i>AT</i>	A02	US-5,638,345	06/1997	Hosoya	
<i>AT</i>	A03	US-5,689,105	11/1997	Mizoguchi et al.	
<i>AT</i>	A04	US-5,808,981	09/1998	Suzuki	

**FOREIGN PATENT DOCUMENTS**

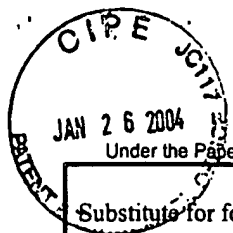
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Cntry Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5(f/known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear	T <sup>6</sup>

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**


EXAMINER SIGNATURE: <i>April A. Nowlin</i>	DATE CONSIDERED: <i>9/29/04</i>
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PTO/SB/08A (08-03)

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	Examiner: Nowlin, April A.	GROUP: 2876

Sheet	1	of	14	Attorney Docket Number	ULT-005-2C2P
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/	B001	US- 1,756,547	04/1930	Hansen	
/	B002	US-3,677,843	7/17/1972	Reiss	
/	B003	US-3,838,252	9/24/1974	Hynes et al.	
/	B004	US-3,864,755	2/1975	Hargis	
/	B005	US-4,058,839	11/1977	Darjany, John C.	
/	B006	US-4,076,125	2/28/1978	Ohsaki et al.	
/	B007	US-4,100,689	7/1978	Broune	

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/	B008	EP 0194675	9/1986			
/	B009	WO 9210485	12/1992			
/	B010	JP 10041118	4/1998			
/	B011	JP 10144391 A	5/1998	Kanda		

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/	(One Page) Advertising Brochure, Iomega Klik! PC Card Drive (40 MB Disk) Iomega Corporation, 1999
/	Gooch et al. "A High Resolution Flying Magnetic Disk Recording System With Zero Reproduce Spacing Loss" Pages 4545-4554, IEEE Transactions on Magnetis, Volume 27, No. 6, November 1991
/	One (1) Page Advertising Brochure, SysTECH, Wallet Size CDRom, Copyright 1999
/	Three (3) Pages / Gold CD Mini ROM (Picture), Back/Front Packaging for CD Mini ROM AOL, America On Line

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	Examiner: Nowlin, April A.	GROUP: 2876
Sheet 2 of 14	Attorney Docket Number	ULT-005-2C2P

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<i>AA</i>	B012	US-4,104,682	8/1/1978	Lehner et al.	
	B013	US-4,141,400	2/27/1979	Mangan	
	B014	US-4,197,988	4/15/1980	Moss et al.	
	B015	US-4,209,811	6/1/1980	Blazevic	
	B016	US-4,277,809	7/7/1981	Fisher et al.	
	B017	US-4,302,523	11/1/1981	Audran et al.	
	B018	US-4,318,136	3/2/1982	Jeffers	
	B019	US-4,403,138	9/1/1983	Battarel et al.	
	B020	US-4,450,955	5/29/1984	Featherston	
	B021	US-4,503,125	3/1/1985	Nelson et al.	
	B022	US-4,518,627	5/1/1985	Foley et al.	
	B023	US-4,530,016	7/16/1985	Sawazaki	
	B024	US-4,535,369	8/13/1985	Sawazaki	
<i>AA</i>	B025	US-4,581,523	4/1/1986	Okuno	

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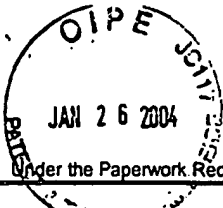
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<b>Sheet</b>	3	of	14	<b>Attorney Docket Number</b>	ULT-005-2C2P

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A	B026	US-4,585,929		4/29/1986	Brown et al.	_____
	B027	US-4,592,042		5/1/1986	Lemelson et al.	
	B028	US-4,598,196		7/1/1986	Pierce et al.	
	B029	US-4,609,812		9/2/1986	Drexler	
	B030	US-4,612,436		9/16/1986	Okada	
	B031	US-4,620,727		11/4/1986	Stockburger et al.	
	B032	US-4,659,915		4/1/1987	Flies	
	B033	US-4,672,182		6/1/1987	Hirokawa	
	B034	US-4,683,371		7/1/1987	Drexler	
	B035	US-4,687,712		8/18/1987	Sugita et al.	
	B036	US-4,701,601		10/20/1987	Francini et al.	
	B037	US-4,707,593		11/1/1987	Murata et al.	
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A	B039	US-4,731,645		3/1/1988	Parmentier et al.	_____

**FOREIGN PATENT DOCUMENTS**

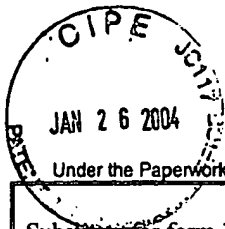
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Cntry Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5(f known)</sup>	Publication Date MM-DD- YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear	T <sup>6</sup>

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AJ	B040	US-4,754,128	6/1/1988	Takeda et al.	
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	B042	US-4,774,618	9/27/1988	Raviv	
	B043	US-4,777,540	10/11/1988	McCoy	
	B044	US-4,780,604	10/1988	Hasegawa et al.	
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	B046	US-4,791,283	12/13/1988	Burkhardt	
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	B048	US-4,826,772	05/1989	Meathrel	
	B049	US-4,833,310	05/23/1989	Shimamura et al.	
	B050	US-4,851,610	07/25/1989	LeBlanc et al.	
	B051	US-4,868,373	09/1989	Opheij et al.	
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AJ	B053	US-4,889,755	12/1989	Charbonneau	

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Application Number 09/663,659

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First Named Inventor: Malcolm G. Smith, Sr.

Examiner: Nowlin, April A. GROUP: 2876

Sheet 5 of 14

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	B055	US-4,931,623	6/5/1990	Nakamura et al.	
	B056	US-4,937,438	6/26/1990	Warwick et al.	
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	B058	US-4,998,009	03/1991	Iijima et al.	
	B059	US-5,036,430	07/1991	Hills	
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	B061	US-5,099,111	03/1992	Takakura et al.	
	B062	US-5,107,099	04/1992	Smith	
	B063	US-5,172,282	12/1992	Ghose	
	B064	US-5,206,494	04/1993	Metzger	
	B065	US-5,227,212	07/1993	Ahlert et al.	
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<i>AS</i>	B067	US-5,311,003	5/10/1994	Saroya	

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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Cntry Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear	T <sup>6</sup>

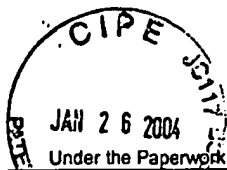
## **OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

EXAMINER SIGNATURE: *April Taylor*

DATE CONSIDERED: *7/2/04*

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PTO/SB/08A (08-03)

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<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)	Application Number	09/663,659
	Filing Date	9/15/2000
	First Named Inventor:	Malcolm G. Smith, Sr.
	Examiner: Nowlin, April A.	GROUP: 2876
Sheet 6 of 14	Attorney Docket Number	ULT-005-2C2P

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cited No. <sup>1</sup>	Document Number Number - Kind Code <sup>2</sup> (if known)		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear	
A	B068	US-5,321,243		6/14/1994	Groves et al.		
	B069	US-5,336,871		10/9/1994	Colgate Jr.		
	B070	US-5,362,952		11/8/1994	Nair et al.		
	B071	US-5,396,369		5/7/1995	Deland Jr. et al.		
	B072	US-5,396,545		3/7/1995	Nair et al.		
	B073	US-5,397,886		3/14/1995	Mos et al.		
	B074	US-5,408,384		04/1995	Gannyo et al.		
	B075	US-5,410,136		4/25/1995	McIntire et al.		
	B076	US-5,421,618		6/6/1995	Okazaki et al.		
	B077	US-5,426,286		6/20/1995	Nair et al.		
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	B079	US-5,452,143		9/19/1995	Kamagami		
	B080	US-5,466,918		11/14/1995	Ray et al.		
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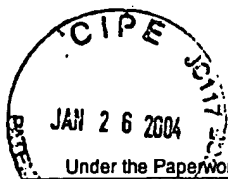
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Cntry Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear	T <sup>6</sup>

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

EXAMINER SIGNATURE: April Pado	DATE CONSIDERED: 9/29/04
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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)	Application Number	09/663,659
	Filing Date	9/15/2000
	First Named Inventor:	Malcolm G. Smith, Sr.
	Examiner: Nowlin, April A.	GROUP: 2876
Sheet 7 of 14	Attorney Docket Number	ULT-005-2C2P

## U.S. PATENT DOCUMENTS

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AT	B082	US-5,509,083	4/16/1996	Abtahi et al.	
	B083	US-5,521,774	5/28/1996	Parks et al.	
	B084	US-5,530,232	6/25/1996	Taylor	
	B085	US-5,535,078	7/9/1996	Warwick	
	B086	US-5,557,089	9/17/1996	Hall et al.	
	B087	US-5,559,885	9/24/1996	Drexler et al.	
	B088	US-5,588,763	12/31/1996	Nubson et al.	
	B089	US-5,598,474	1/28/1997	Johnson	
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	B091	US-5,612,526	3/18/1997	Oguchi et al.	
	B092	US-5,637,174	6/10/1997	Field et al.	
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## FOREIGN PATENT DOCUMENTS

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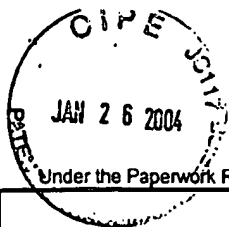
## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER SIGNATURE: <i>April Taylor</i>	DATE CONSIDERED: <i>9/28/01</i>
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<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)	Application Number	09/663,659
	Filing Date	9/15/2000
	First Named Inventor:	Malcolm G. Smith, Sr.
	Examiner: Nowlin, April A.	GROUP: 2876
Sheet 8 of 14	Attorney Docket Number	ULT-005-2C2P

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cited No. <sup>1</sup>	Document Number Number - Kind Code <sup>2</sup> (if known)		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear
A	B094	US-5,679,945		10/21/1997	Renner et al.	
	B095	US-5,696,369		12/1997	Watanabe	
	B096	US-5,698,839		12/17/1997	Jagielinski	
	B097	US-5,713,406		2/3/1998	Drury	
	B098	US-5,714,747		2/3/1998	West et al.	
	B099	US-5,723,033		3/3/1998	Weiss	
	B100	US-5,734,154		3/31/1998	Jachimowicz et al.	
	B101	US-5,738,945		4/14/1998	Lal et al.	
	B102	US-5,748,737		5/5/1998	Daggar	
	B103	US-5,756,220		5/1998	Hoshino et al.	
	B104	US-5,763,862		6/9/1998	Jachimowicz et al.	
	B105	US-5,770,942		6/23/1998	Tagchi	
	B106	US-5,777,306		7/7/1998	Masuda	

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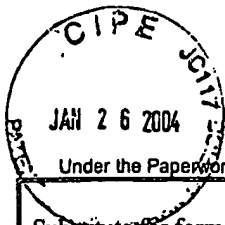
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**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

EXAMINER SIGNATURE: <i>April Taylor</i>	DATE CONSIDERED: <i>9/29/04</i>
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PTO/SB/08A (08-03)

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	First Named Inventor:	Malcolm G. Smith, Sr.
	Examiner: Nowlin, April A.	GROUP: 2876
Sheet 9 of 14	Attorney Docket Number	ULT-005-2C2P

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A7	B107	US-5,789,733		8/4/1998	Jachimowicz et al.	
	B108	US-5,801,368		9/1998	Hayashi et al.	
	B109	US-5,825,393		10/20/1998	Koczmar et al.	
	B110	US-5,828,053		10/27/1998	Kinugasa	
	B111	US-5,834,756		11/10/1998	Gutman et al.	
	B112	US-5,843,565		12/1/1998	Davies et al.	
	B113	US-5,844,218		12/1/1998	Kawan et al.	
	B114	US-5,844,230		12/1/1998	Lalonde	
	B115	US-5,851,688		12/22/1998	Chen et al.	
	B116	US-5,852,289		12/22/1998	Masahiko	
	B117	US-5,857,079		1/5/1999	Claus et al.	
	B118	US-5,859,419		1/12/1999	Wynn	
	B119	US-5,861,220		1/19/1999	Coughlin	
	B120	US-5,862,174		1/19/1999	Yokota et al.	

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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Cntry Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear	T <sup>6</sup>

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

EXAMINER SIGNATURE: <i>April A. Nowlin</i>	DATE CONSIDERED: <i>9/26/04</i>
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Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Application Number	09/663,659
Filing Date	9/15/2000
First Named Inventor:	Malcolm G. Smith, Sr.
Examiner: Nowlin, April A.	GROUP: 2876

Sheet 10 of 14 Attorney Docket Number ULT-005-2C2P

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<i>AS</i>	B121	US-5,866,891	2/2/1999	Fujimoto et al.	
	B122	US-5,869,823	2/9/1999	Bublitz et al.	
	B123	US-5,880,445	3/9/1999	Mori et al.	
	B124	US-5,883,377	3/16/1999	Chapin, Jr.	
	B125	US-5,884,271	3/1999	Pitroda	
	B126	US-5,886,333	3/1999	Miyake	
	B127	US-5,889,273	3/1999	Goto	
	B128	US-5,895,903	4/1999	Abe et al.	
	B129	US-5,895,909	4/1999	Yoshida	
	B130	US-5,898,612	4/1999	Chen et al.	
	B131	US-5,901,012	5/1999	Ishida	
<i>AS</i>	B132	US-5,901,303	5/1999	Chew	

## FOREIGN PATENT DOCUMENTS

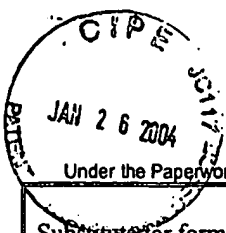
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Application Number 09/663,659

Filing Date 9/15/2000

First Named Inventor: Malcolm G. Smith, Sr.

Examiner: Nowlin, April A. GROUP: 2876

Sheet

11

of

14

Attorney Docket Number ULT-005-2C2P

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cited No. <sup>1</sup>	Document Number Number - Kind Code <sup>2,if known</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear
<i>AT</i>	B133	US-5,941,375	8/1999	Kamens et al.	
	B134	US-5,979,774	11/1999	Urushibata	
	B135	US-5,997,042	12/1999	Blank	
	B136	US-6,079,621	6/2000	Vardanyan et al.	
	B137	US-6,116,655	9/2000	Thouin et al.	
	B138	US-6,131,816	10/2000	Smith, Sr.	
	B139	US-6,196,047	3/2001	Carnegie et al.	
	B140	US-6,254,713	7/2001	Riehle	
	B141	US-6,268,919	7/2001	Meeks et al.	
<i>AT</i>	B142	US-6,301,068	10/2001	Ionescu	

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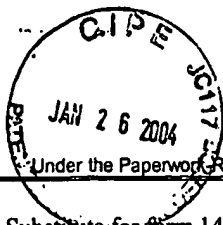
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Cntry Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5 (if known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear	T <sup>6</sup>

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

EXAMINER SIGNATURE: <i>April Taylor</i>	DATE CONSIDERED: <i>9/29/04</i>
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<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)	Application Number	09/663,659
	Filing Date	9/15/2000
	First Named Inventor:	Malcolm G. Smith, Sr.
	Examiner: Nowlin, April A.	GROUP: 2876
Sheet 12 of 14	Attorney Docket Number	ULT-005-2C2P

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cited No. <sup>1</sup>	Document Number Number - Kind Code <sup>2</sup> (if known)		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear
A7	B143	US-6,311,893		11/2001	Liu et al.	
	B144	US-6,378,037		4/2002	Hall	
	B145	US-6,398,114		6/2002	Nishikawa et al.	
	B146	US-D264,853		6/1982	Scavino et al.	
	B147	US-D293,694		1/1988	Alden et al.	
	B148	US-D305,887		2/1990	Nishimura	
	B149	US-D328,457		8/1992	Matsuzaka	
	B150	US-D408,377		4/20/1999	Ferchau et al.	
	B151	US-D410,769		6/1999	Dorizas	
	B152	US-D425,876		5/2000	Maiers et al.	
	B153	US-D429,733		8/2000	Jones et al.	
	B154	US-D436,991		1/2001	Morgante	
	B155	US-D447,146		8/2001	Myers	
	B156	US-D448,776		10/2001	Weng et al.	

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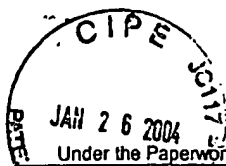
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Cntry Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear	T <sup>6</sup>
A7	B157	FR 2505523	12/11/1982	Widmer MJF		

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A7	Bhushan, Bharat, Tribology and Mechanics of Magnetic Storage Devices, New York: Springer-Verlag, pp. 599, 629-638
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Sheet	13	of	14	Attorney Docket Number	ULT-005-2C2P
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A7	B158	US-5,041,922		08/20/1991	Wood et al.	
	B159	US-5,055,155		10/08/1991	Crotty et al.	
	B160	US-5,101,097		03/31/1992	Conant	
	B161	US-5,147,732		09/15/1992	Shiroishi et al.	
	B162	US-5,180,640		01/19/1993	Yamashita et al.	
	B163	US-5,191,198		03/02/1993	Do	
	B164	US-5,204,513		04/20/1993	Steele	
	B165	US-5,206,489		04/27/1993	Warwick	
	B166	US-5,217,056		06/08/1993	Ritter	
	B167	US-5,221,838		06/22/1993	Gutman et al.	
	B168	US-5,254,843		10/19/1993	Hynes et al.	
	B169	US-5,270,523		12/14/1993	Chang et al.	
	B170	US-5,286,958		02/15/1994	Smeets	

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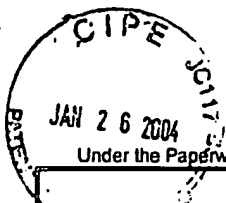
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<i>AS</i>	B171	US-5,288,942	02/22/1994	Godfrey	
	B172	US-5,880,454	03/09/1999	Monicault	
	B173	US-5,621,583	04/15/1997	Parks et al.	
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	B175	US-6,430,114	08/06/2002	Wang et al.	
<i>AS</i>	B176	US-6,677,105	01/13/2004	Wang et al.	

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